

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,343,016 B2  
APPLICATION NO. : 10/619801  
DATED : March 11, 2008  
INVENTOR(S) : Benjamin Jung Kim

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**ON THE TITLE PAGE ITEM**

(75) Please correct residence of Inventor **Benjamin Jung Kim** to read "State College, PA (US)"

**IN THE DESCRIPTION**

Column 1,

Line 14, after "...periodic noise." please add the following heading and paragraph from Line 15 and following:

--FEDERALLY SPONSORED RESEARCH AND DEVELOPMENT

This invention was made with government support under Contract No. N00039-97-D-0042, Delivery Order No. 227, awarded by the Naval Sea Systems Command. The Government has certain rights in the invention.--

Signed and Sealed this

Seventeenth Day of June, 2008

A handwritten signature in black ink, appearing to read "Jon W. Dudas". The signature is stylized with a large, looped initial "J" and a cursive "Dudas".

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*